

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

FERDINAND J. SLUIJS ET AL

NL 010015

Serial No.

Filed: CONCURRENTLY

A DC/DC UP/DOWN CONVERTER

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination,
please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

4. A DC/DC up/down converter (30) according to claim 2, wherein said switching means (S1, S2, S3) comprise semiconductor switching means, in particular MOS (Metallic Oxide Semiconductor) transistor means.
5. A DC/DC up/down converter (30) according to claim 2, further comprising capacitors (C1;C2) parallel connected to said first and second output terminals (33, 34) and said third and fourth output terminals (35, 36).
6. A power supply (45) comprising a DC/DC up/down converter (30) according to claim 1, arranged for receiving a DC input voltage V_{in} at its input, and wherein said control

means (40) are arranged for transferring an amount of electrical energy from said input to said energy storage means (L), such that during use said first output of said DC/DC converter (30) provides a voltage V_{out1} and said second output of said DC/DC converter (30) provides a voltage V_{out2} , wherein $V_{out1} < V_{in}$ and $V_{out2} > V_{out1}$.

7. A portable electronic appliance (50) comprising a DC/DC up/down converter (30) according to claim 1.

REMARKS

The foregoing amendments to claims 4-7, were made solely to avoid filing the claims in the multiple dependent form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicant respectfully reserves all rights he may have under the Doctrine of Equivalents. Applicant furthermore reserves his right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,


By _____
Steven R. Biren, Reg. 26,531
Attorney
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APPENDIX

4. A DC/DC up/down converter (30) according to claim 2 ~~or 3~~, wherein said switching means (S1, S2, S3) comprise semiconductor switching means, in particular MOS (Metallic Oxide Semiconductor) transistor means.

5. A DC/DC up/down converter (30) according to claim 2, ~~3 or 4~~ further comprising capacitors (C1; C2) parallel connected to said first and second output terminals (33, 34) and said third and fourth output terminals (35, 36).

6. A power supply (45) comprising a DC/DC up/down converter (30) according to claim 1 ~~any of the previous claims~~, arranged for receiving a DC input voltage V_{in} at its input, and wherein said control means (40) are arranged for transferring an amount of electrical energy from said input to said energy storage means (L), such that during use said first output of said DC/DC converter (30) provides a voltage V_{out1} and said second output of said DC/DC converter (30) provides a voltage V_{out2} , wherein $V_{out1} < V_{in}$ and $V_{out2} > V_{out1}$.

7. A portable electronic appliance (50) comprising a DC/DC up/down converter (30) according to claim 1 ~~any of the previous claims~~.

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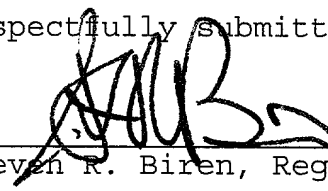
AUTHORIZATION PURSUANT TO 37 CFR §1.136(a)(3)
AND TO CHARGE DEPOSIT ACCOUNT

Sir:

The Commissioner is hereby requested and authorized to treat any concurrent or future reply in this application requiring a petition for extension of time for its timely submission, as incorporating a petition for extension of time for the appropriate length of time.

Please charge any additional fees which may now or in the future be required in this application, including extension of time fees, but excluding the issue fee unless explicitly requested to do so, and credit any overpayment, to Deposit Account No. 14-1270.

Respectfully submitted,

By 
Steven R. Biren, Reg. 26,531
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